



Remote Sensing Applications Division (RSAD)

CDR Program Office

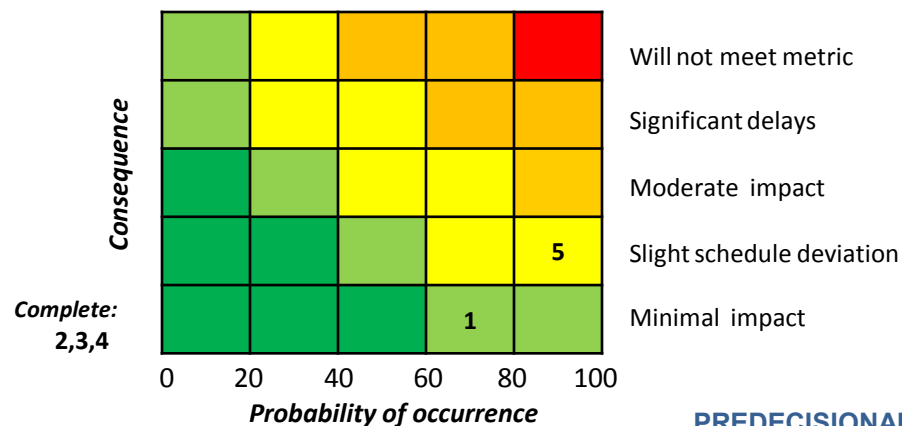
Weekly Report for Sep 2, 2011
John J Bates, Chief

Weekly Report –Sep 2, 2011

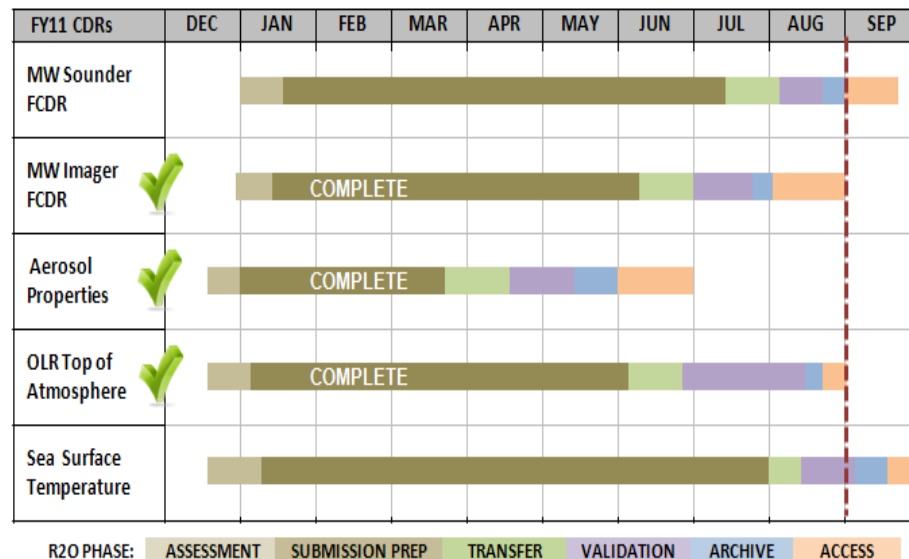
- ① **Microwave (MW) Sounder FCDR**
 - IT security review in progress
- ② **Microwave (MW) Imager FCDR**
 - Completed Aug 24
- ③ **Aerosol Properties**
 - Completed June 16
- ④ **Outgoing Longwave (LW) - Top of Atmosphere**
 - Completed Aug 30
- ↑ ⑤ **Sea Surface Temperature**
 - Dataset converted to netCDF; error found in some of the files
 - CICS Contract signed – documentation progressing; PI delivered code; PI plans to send draft CATBD NLT Sept 9

● No change ↑ Increasing Risk ↓ Decreasing Risk

Risk Matrix



R2O Schedule



Risk and Mitigation

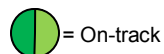
Sea Surface Temp

- Lots of work to be done on documentation
 - CICS contract in place, PI is working on Code headers and CATBD
 - Source code documentation and CATBD should be delivered on time

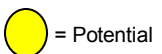
Mean Layer Temps

- Backup CDR – could be finished, if needed.

PREDECISIONAL DRAFT INFORMATION



= On-track



= Potential management action required



= Management attention required

Microwave Sounder FCDR

CDR Product: FCDR - AMSU-A Brightness Temperature, CH 9; 2001 - 2010 (100 GB)

GEOSS Societal Benefit: Climate, Water, Ecosystems

Project Status

- PI has sent all the data, docs, and code
 - **archived documentation package and data set**
- Source code sent for security review
 - **problem with linking to external libraries**
 - **once complete we will archive source code package**
- **PI agreed with public distribution of his source code according to the CDRP source code policy:**
 - 1) leave the copyrights that already exist in the source code
 - 2) add a "Fair Use" statement to the CDR website

Next Action / Milestone

- **Archive all parts (8/22)**
- Create Access on THREDDS (8/29)
- Get on web – mark as complete (9/7)



Project Risks

- PI concerned about his source code being widely available
 - **PI agreed to CDRP plan for distribution**

| ID | Task Name | Status | Start | Stop | FY11 Q2 | | | FY11 Q3 | | | FY11 Q4 | | |
|----|---|--------|-----------|-----------|---------|-----|-----|---------|-----|-----|---------|-----|-----|
| | | | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | Initial Assessment | 100 | 1/1/2011 | 1/15/2011 | | | | | | | | | |
| 2 | Transfer Prep | 90 | 1/15/2011 | 7/28/2011 | | | | | | | | | |
| 2a | Comment Source Code | 100 | 1/15/2011 | 7/28/2011 | | | | | | | | | |
| 2b | Create Docs (CATBD, Flow Chart, MM, Readme) | 90 | 3/15/2011 | 7/28/2011 | | | | | | | | | |
| 2c | Format Data for delivery | 100 | 4/30/2011 | 7/28/2011 | | | | | | | | | |
| 3 | Transfer Code, Docs, and Data | 75 | 6/1/2011 | 8/8/2011 | | | | | | | | | |
| 4 | Verify Code, Docs, and Data | 75 | 7/1/2011 | 8/15/2011 | | | | | | | | | |
| 5 | Archive Code, Docs, and Data | 0 | 8/1/2011 | 9/8/2011 | | | | | | | | | |
| 6 | Provide Access to Code, Docs, and Data | 0 | 9/1/2011 | 9/21/2011 | | | | | | | | | |
| | | | | | | | | | | | | | |

PREDECISIONAL DRAFT INFORMATION

Microwave Sounder FCDR

| CDR - PI | TM | AB | OPS | Access | What | Who | NLT date | Status | ECD |
|-----------------|-----|-------|--------|--------|--|------------------|----------|--------|-------|
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Deliver: CH9 netCDF samples | PI | 10-Jun | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Review: CH9 netCDF samples | TM, Archive | 30-Jun | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Return comments on CH9 netCDF samples | TM | 30-Jun | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Deliver: source code samples (including netCDF conversion) | PI | 7-Jul | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Review: source code samples | TM, Archive | 12-Jul | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Return comments on source code samples | TM | 12-Jul | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Draft Submission Agreement (SA) | TM, Archive | 18-Jul | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Deliver SA to PI for review | TM | 18-Jul | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Deliver: Draft CATBD | PI | 25-Jul | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Review: draft CATBD | TM | 27-Jul | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Return comments on draft CATB | TM | 29-Jul | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Deliver: Flow Chart, Maturity Matrix | PI | 27-Jul | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Review: Flow Chart and MM | TM, CDRP | 28-Jul | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Provide comments on Flow chart and MM | TM | 28-Jul | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Finalize SA | Archive, PI, TM | 29-Jul | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Deliver: CH9 netCDF CDR files | PI | 15-Aug | 90% | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Deliver: Final versions of flow chart, MM, CATBD | PI | 16-Aug | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Verify Flow chart, MM, and CATBD | TM, CDRP | 18-Aug | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Deliver: Complete set of documented Source Code with README | PI | 5-Aug | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Verify source code and README | TM, CDRP | 9-Aug | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Enter source code into subversion for security review | TM, Ops | 10-Aug | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Create source code header document (robodoc) | Ops, CDRP | 24-Aug | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Conduct security review | ITB | 17-Aug | 10% | 2-Sep |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Provide feedback on any security issue found as courtesy to PI | TM | 18-Aug | | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Archive CDR netCDF data set | Archive, OPS | 22-Aug | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Archive code pkg: (source code, README, Security Review, headerdoc) | Archive, OPS, TM | 22-Aug | | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Archive Documentation pkg: (flow chart, MM, CATBD) | Archive, OPS, TM | 22-Aug | done | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Make CDR Product available on THREDDS | Access | 29-Aug | | |
| MW Sounder - Ho | Lei | Ken | Robert | Ansari | Update CDR website with links to source code, documents, and dataset | Access, Archive | 31-Aug | | |
| MW Sounder - Ho | Lei | Sharp | Robert | Ansari | Final CDR Program Management Review | CDRP | 7-Sep | | |

Microwave Imager FCDR

CDR Product: FCDR - Intercalibrated SSM/I Brightness Temperatures (V6), 1987 – 2010 (1720 GB)

GEOSS Societal Benefit: Climate, Water, Ecosystems

Project Status

- CDR is publicly available on the CDR web site
- **Completed Aug 24**

Next Action / Milestone

- None



Project Risks

- None

| ID | Task Name | Status | Start | Stop | FY11 Q2 | | | FY11 Q3 | | | FY11 Q4 | | |
|----|---|--------|-----------|-------|---------|-----|-----|---------|-----|-----|---------|-----|-----|
| | | | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | Initial Assessment | 100 | 1/1/2011 | 1/15/ | | | | | | | | | |
| 2 | Transfer Prep | 100 | 1/1/2011 | 7/21/ | | | | | | | | | |
| 2a | Comment Source Code | 100 | 1/1/2011 | 3/31/ | | | | | | | | | |
| 2b | Create Docs (CATBD, Flow Chart, MM, Readme) | 100 | 1/1/2011 | 7/21/ | | | | | | | | | |
| 2c | Format data from binary to NetCDF | 100 | 2/1/2011 | 4/30/ | | | | | | | | | |
| 3 | Transfer Code, Docs, and Data | 100 | 5/21/2011 | 7/29/ | | | | | | | | | |
| 4 | Verify Code, Docs, and Data | 100 | 6/15/2011 | 8/5/ | | | | | | | | | |
| 5 | Archive Code, Docs, and Data | 100 | 7/8/2011 | 8/15/ | | | | | | | | | |
| 6 | Provide Access to Code, Docs, and Data | 100 | 8/1/2011 | 8/31/ | | | | | | | | | |
| | | | | | | | | | | | | | |

COMPLETE

Aerosol Properties

CDR Product: TCDR - Aerosol Optical Thickness (AOT), 1981 – 2010 (430 GB)

GEOSS Societal Benefit: Disasters, Health, Climate, Ecosystems

Project Status

- CDR is publicly available on the CDR web site
– **Completed June 16**

Next Action / Milestone

- None



Project Risks

- None

| ID | Task Name | Status | Start | Stop | FY11 Q1 | | | FY11 Q2 | | | FY11 Q3 | | | FY11 Q4 | | |
|----|---|--------|-----------|------|---------|-----|-----|---------|-----|-----|---------|-----|-----|---------|-----|-----|
| | | | | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | Initial Assessment | 100 | 11/29/10 | | | | | | | | | | | | | |
| 2 | Transfer Prep | 100 | 1/1/2011 | | | | | | | | | | | | | |
| 2a | Comment Source Code | 100 | 1/1/2011 | | | | | | | | | | | | | |
| 2b | Create Docs (CATBD, Flow Chart, MM, Readme) | 100 | 1/1/2011 | | | | | | | | | | | | | |
| 2c | Subset CDR variables | 100 | 2/1/2011 | | | | | | | | | | | | | |
| 2d | Format data from HDF to NetCDF | 100 | 2/15/2011 | | | | | | | | | | | | | |
| 3 | Transfer Code, Docs, and Data | 100 | 3/21/2011 | | | | | | | | | | | | | |
| 4 | Verify Code, Docs, and Data | 100 | 4/15/2011 | | | | | | | | | | | | | |
| 5 | Archive Code, Docs, and Data | 100 | 5/8/2011 | | | | | | | | | | | | | |
| 6 | Provide Access to Code, Docs, and Data | 100 | 6/1/2011 | | | | | | | | | | | | | |

COMPLETE

PREDECISIONAL DRAFT INFORMATION

Outgoing Longwave Radiation - Top of Atmosphere

CDR Product: FCDR - HIRS OLR Time Series, monthly mean, 2.5 deg, 1979 – 2010 (20 MB)

GEOSS Societal Benefit: Energy, Climate, Ecosystems

Project Status

- CATBD - last item was verified and archived
- Put all pieces on the web for public access
- CDR complete (Aug 26)

Next Action / Milestone

- Archive source code, documentation and data packages - done
- Get data on THREDDS (8/14) - done
- Provide web access to CDR (8/15) - done



Project Risks

- None

| ID | Task Name | Status | Start | Stop | FY11 Q1 | | | FY11 Q2 | | | FY11 Q3 | | | FY11 Q4 | | |
|----|---|--------|------------|------|---------|-----|-----|---------|-----|-----|---------|-----|-----|---------|-----|-----|
| | | | | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | Initial Assessment | 100 | 11/29/2010 | | | | | | | | | | | | | |
| 2 | Transfer Prep | 100 | 12/15/2011 | | | | | | | | | | | | | |
| 2a | Comment Source Code | 100 | 12/15/2011 | | | | | | | | | | | | | |
| 2b | Create Docs (CATBD, Flow Chart, MM, Readme) | 100 | 1/1/2011 | | | | | | | | | | | | | |
| 2c | Format data for delivery | 100 | 3/1/2011 | | | | | | | | | | | | | |
| 3 | Transfer Code, Docs, and Data | 100 | 4/1/2011 | | | | | | | | | | | | | |
| 4 | Verify Code, Docs, and Data | 100 | 5/1/2011 | | | | | | | | | | | | | |
| 5 | Archive Code, Docs, and Data | 100 | 6/1/2011 | | | | | | | | | | | | | |
| 6 | Provide Access to Code, Docs, and Data | 100 | 7/1/2011 | | | | | | | | | | | | | |

COMPLETE

PREDECISIONAL DRAFT INFORMATION

Sea Surface Temperature

CDR Product: TCDR - Pathfinder v5.2, Daily nighttime and daytime global SST fields, 1981-2010, (4000 GB)

GEOSS Societal Benefit: Climate, Water, Ecosystems, Agriculture

Project Status

- SLA/SA signed by NODC – **Decision needed**
 - **NODC put full netCDF dataset out for archive pickup, but found a problem with the dataset (1995, 2002-2005)**
 - **Do we give them extra time to fix the issue**
 - **Need to talk to Bob to estimate time needed to fix**
- Documentation hire with CICS in place
 - **Kay has delivered another set of code documentation (44 new pieces) – working to get robodoc to run on them**
 - **Plans to deliver draft CATBD (9/9)**
- Drafted SA for documentation and source code

Next Actions / Milestone

- **Create SA for code/documentation (8/9) – 90%**
- NODC create complete set of netCDF data files (8/31)
- NODC deliver a copy of netCDF Data Files to NCDC (8/31)
- Archive complete CDR netCDF dataset (8/31)
- PI Deliver: Draft CATBD (9/9)



Project Risks

- Documentation is via CICS consultant – work progressing
- Final SST data set will be served by NODC – SLA in place

| ID | Task Name | Status | Start | Stop | FY11 Q1 | | | FY11 Q2 | | | FY11 Q3 | | | FY11 Q4 | | |
|----|---|--------|----------|----------|---------|-----|-----|---------|------|-----|---------|-----------|------|---------|-----|-----|
| | | | | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | Initial Assessment | 100 | 11/29/10 | 12/15/10 | | | | | | | | | | | | |
| 2 | Create HDF product (v5.2) 1981-2010 (UoM) | 100 | 12/15/10 | 5/21/11 | | | | N18 | N16 | N7 | N9 | N11 | N14 | | | |
| 3 | Convert HDF to netCDF (NODC) | 75 | 2/1/11 | 8/31/11 | | | | | | | | | | | | |
| 4 | Comment Source Code | 20 | 2/15/11 | 8/31/11 | | | | | NODC | | | CICS Hire | | | | |
| 5 | Create Documents | 10 | 2/15/11 | 8/31/11 | | | | | NODC | | | CICS Hire | | | | |
| 6 | Transfer Copy of Data, Code and Docs | 5 | 5/1/11 | 8/31/11 | | | | | | | | Data | | C&D | | |
| 7 | Verify Data, Code and Docs | 5 | 6/1/11 | 9/7/11 | | | | | | | | | Data | | C&D | |
| 8 | Archive Data, Code and Docs | 0 | 7/1/11 | 9/15/11 | | | | | | | | | | Data | C&D | |
| 9 | Provide Access to Data, Code and Docs | 0 | 8/1/11 | 9/21/11 | | | | | | | | | | | | |
| | (Point to Data served at NODC) | | | | | | | | | | | | | | | |

PREDECISIONAL DRAFT INFORMATION

Sea Surface Temperature

| CDR - PI | TM | AB | OPS | ACCESS | What | Who | NLT date | Status |
|-------------|--------|-------|--------|--------|--|------------------|----------|--------|
| SST - Evans | Banzon | Jones | Robert | n/a | Create Full HDF data set | Bob | 18-May | done |
| SST - Evans | Banzon | Jones | Robert | n/a | Transfer dataset to NODC | Bob, NODC | 25-May | done |
| SST - Evans | Banzon | Jones | Robert | n/a | Create sample netCDF files | NODC | 8-Jun | done |
| SST - Evans | Banzon | Jones | Robert | n/a | Review netCDF sample files | TM, Ops, Archive | 13-Jun | done |
| SST - Evans | Banzon | Jones | Robert | n/a | Draft Submission Agreement (SA) for data | TM, Archive | 15-Jun | done |
| SST - Evans | Banzon | Jones | Robert | n/a | Draft SLA for data | CDRP, TM | 15-Jun | done |
| SST - Evans | Banzon | Jones | Robert | n/a | Deliver: source code samples | Kay | 17-Jun | done |
| SST - Evans | Banzon | Jones | Robert | n/a | Review: source code samples | TM, Archive | 20-Jun | done |
| SST - Evans | Banzon | Jones | Robert | n/a | Return comments on source code samples | TM | 20-Jun | done |
| SST - Evans | Banzon | Jones | Robert | n/a | Incorporate feedback on netCDF sample files | NODC | 23-Jun | done |
| SST - Evans | Banzon | Jones | Robert | n/a | Coordinate SLA/SA with NODC | TM, CDRP, DO | 15-Jul | done |
| SST - Evans | Banzon | Jones | Robert | n/a | Create SA for code/documentation | TM, Archive, Kay | 25-Aug | 90% |
| SST - Evans | Banzon | Jones | Robert | n/a | Create complete set of netCDF data files | NODC | 31-Aug | 90% |
| SST - Evans | Banzon | Jones | Robert | n/a | Deliver a copy of netCDF Data Files to NCDC as in SA | NODC | 1-Sep | |
| SST - Evans | Banzon | Jones | Robert | n/a | Archive complete CDR netCDF dataset | Archive, OPS | 3-Sep | |
| SST - Evans | Banzon | Jones | Robert | n/a | Deliver: Draft CATBD | Kay | 9-Sep | |
| SST - Evans | Banzon | Jones | Robert | n/a | Deliver: Flow Chart, Maturity Matrix (Bob) | PI | 9-Sep | |
| SST - Evans | Banzon | Jones | Robert | n/a | Review: Flow Chart and MM | TM, CDRP | 12-Sep | |
| SST - Evans | Banzon | Jones | Robert | n/a | Provide comments on Flow chart and MM | TM | 13-Sep | |
| SST - Evans | Banzon | Jones | Robert | n/a | Deliver: Complete set of initial Source Code with README (Viva) | PI, TM | 13-Sep | 50% |
| SST - Evans | Banzon | Jones | Robert | n/a | Review: draft CATBD | TM | 15-Sep | |
| SST - Evans | Banzon | Jones | Robert | n/a | Verify source code and README | TM, CDRP | 15-Sep | |
| SST - Evans | Banzon | Jones | Robert | n/a | Enter source code into subversion for security review | TM, Ops | 15-Sep | done |
| SST - Evans | Banzon | Jones | Robert | n/a | Create source code header document (robodoc) | Ops, CDRP | 15-Sep | |
| SST - Evans | Banzon | Jones | Robert | n/a | Return comments on draft CATBD | TM | 16-Sep | |
| SST - Evans | Banzon | Jones | Robert | n/a | Deliver: Final versions of flow chart, MM | PI | 16-Sep | |
| SST - Evans | Banzon | Jones | Robert | n/a | Deliver: Final versions of CATBD | Kay | 16-Sep | |
| SST - Evans | Banzon | Jones | Robert | n/a | Verify Flow chart, MM, and CATBD | TM, CDRP | 19-Sep | |
| SST - Evans | Banzon | Jones | Robert | n/a | Archive code pkg: (source code, README, Security Review, Headerdoc) | Archive, OPS, TM | 21-Sep | |
| SST - Evans | Banzon | Jones | Robert | n/a | Archive Documentation pkg: (flow chart, MM, CATBD) | Archive, OPS, TM | 21-Sep | |
| SST - Evans | Banzon | Jones | Robert | n/a | Conduct security review | ITB | 22-Sep | done |
| SST - Evans | Banzon | Jones | Robert | n/a | Provide feedback on any security issue found as courtesy to PI | TM | 22-Sep | done |
| SST - Evans | Banzon | Ken | Robert | n/a | Update CDR website with links to source code, documents, and dataset | Archive | 23-Sep | |
| SST - Evans | Banzon | Jones | Robert | n/a | Final CDR Program Management Review | CDRP | 28-Sep | |
| SST - Evans | Banzon | Jones | Robert | n/a | Deliver: Updated documented Source Code with README (Viva) | PI, TM | 17-Oct | |
| SST - Evans | Banzon | Jones | Robert | n/a | Update source code package in archive | TM, CDRP | 19-Oct | |
| SST - Evans | Banzon | Jones | Robert | n/a | Update source code package in archive | TM, CDRP | 20-Oct | |

FY11 BU CDR - Mean Layer Temperatures

CDR Product: TCDR - Monthly gridded anomalies for three layers (LT, MT, LS), 1978-2010 (60 GB)

GEOSS Societal Benefit: Energy, Climate, Ecosystems

Project Status

- **PI and team have sent source codes, flow chart, and MM**
 - source code submitted for security review (still need Readme)
- **CATBD draft delivered**
 - contains Roy's part but does not have Christy's part
 - do we send to Christy to fill in the holes or have Dongsoo fill it?
- SS contract has been approved at NCDC and signed at UAH
- Pulled the 3 missing files ASCII files from PIs ftp site
- **- Just need to convert last regional product to netCDF**

Next Action / Milestone

- Archive ASCII files (7/26) - done
- **PI Deliver Draft CATBD (7/29) – Roy Spencer working on first draft**
- Convert to netCDF (8/12) – 90%



Project Risks

- Data is ASCII format – Mike Urzen has converted it to netCDF
- PI has limited resources for documentation – contract in place

| ID | Task Name | Status | Start | Stop | FY11 Q2 | | | FY11 Q3 | | | FY11 Q4 | | |
|----|---|--------|-----------|-----------|---------|-----|-----|---------|-----|-----|---------|-----|-----|
| | | | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | Initial Assessment | 100 | 1/1/2011 | 1/15/2011 | | | | | | | | | |
| 2 | Transfer Prep | 95 | 1/15/2011 | 8/31/2011 | | | | | | | | | |
| 2a | Comment Source Code | 100 | 1/15/2011 | 7/29/2011 | | | | | | | | | |
| 2b | Create Docs (CATBD, Flow Chart, MM, Readme) | 75 | 3/15/2011 | 8/31/2011 | | | | | | | | | |
| 2c | Convert from ASCII to NetCDF | 100 | 4/30/2011 | 8/24/2011 | | | | | | | | | |
| 3 | Transfer Code, Docs, and Data | 95 | 6/21/2011 | 8/31/2011 | | | | | | | | | |
| 4 | Verify Code, Docs, and Data | 95 | 7/15/2011 | 8/21/2011 | | | | | | | | | |
| 5 | Archive Code, Docs, and Data | 0 | 8/7/2011 | 9/2/2011 | | | | | | | | | |
| 6 | Provide Access to Code, Docs, and Data | 0 | 9/1/2011 | 9/14/2011 | | | | | | | | | |
| | | | | | | | | | | | | | |

PREDECISIONAL DRAFT INFORMATION

Mean Layer Temperatures

| CDR - PI | TM | AB | OPS | Access | What | Who | NLT date | Status | ECD |
|---------------|-----|-------|--------|--------|--|------------------|----------|--------|-----|
| MLT - Christy | Lei | Jones | Robert | Ansari | Decide which products to convert to netCDF | CDRP | 28-Jun | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Draft Submission Agreement (SA) | TM, Archive | 29-Jun | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Deliver SA to PI for review | TM | 29-Jun | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Deliver: source code samples | PI | 30-Jun | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Review: source code samples | TM, Archive | 7-Jul | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Make CDR Product available on THREDDS | TM | 7-Jul | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Deliver: Flow Chart, Maturity Matrix | PI | 11-Jul | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Review: Flow Chart and MM | TM, CDRP | 13-Jul | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Provide comments on Flow chart and MM | TM | 13-Jul | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Convert sample files to netCDF | Ops | 13-Jul | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Review netCDF sample files | TM, Archive, PI | 15-Jul | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Create checksums for ASCII data | PI | 29-Jul | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Finalize SA | Archive, PI, TM | 29-Jul | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Deliver ASCII Data Files according to SA | PI | 2-Aug | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Archive ASCII datasets | Archive | 4-Aug | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Incorporate feedback from sample files | Ops | 5-Aug | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Deliver: Final versions of flow chart and MM | PI | 9-Aug | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Verify Flow chart and MM | TM, CDRP | 10-Aug | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Deliver: Complete set of documented Source Code with README | PI | 12-Aug | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Verify source code and README | TM, CDRP | 15-Aug | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Enter source code into subversion for security review | TM, Ops | 15-Aug | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Create source code header document (robodoc) | Ops, CDRP | 15-Aug | done | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Create final CDR netCDF files | Ops | 25-Aug | 90% | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Create and Deliver: Draft CATBD to NCDC | Roy Spencer | 26-Aug | 10% | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Review: draft CATBD | TM | 30-Aug | | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Conduct security review | ITB | 30-Aug | 10% | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Return comments on draft CATBD | TM | 31-Aug | | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Provide feedback on any security issue found as courtesy to PI | TM | 31-Aug | | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Deliver Final CATBD | PI | 2-Sep | | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Archive CDR netCDF data set | Archive, OPS | 2-Sep | | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Archive code pkg: (source code, README, Security Review, headerdoc) | Archive, OPS, TM | 2-Sep | | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Archive Documentation pkg: (flow chart, MM, CATBD) | Archive, OPS, TM | 2-Sep | | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Make CDR Product available on THREDDS | Access | 8-Sep | | |
| MLT - Christy | Lei | Ken | Robert | Ansari | Update CDR website with links to source code, documents, and dataset | Access, Archive | 9-Sep | | |
| MLT - Christy | Lei | Jones | Robert | Ansari | Final CDR Program Management Review | CDRP | 14-Sep | | |

FY12 CDR - Sea Ice

CDR Product: TCDR - Sea ice concentration, 1979-2010 (20 GB)

GEOSS Societal Benefit: Climate, Water, Ecosystems, Agriculture

Project Status

- **Meeting weekly with Developer and PI during IPT meeting**
- **Expect final versions of CATBD, Flowchart, MM today**
- Met with TM and CDRP office, Decisions that were made:
 - Make this one an FY12 CDR (tightest schedule of the 7 CDRs)
 - Keep NSIDC production on schedule for initial delivery (we don't want to stop their momentum)
 - Expect future modularized code from PI (in line with CDRP code requirements for being self contained / portable)
 - Expect reprocessing and delivery of dataset this Fall with new RSS data
 - Need a contract in place for these deliveries in early FY12

Next Action / Milestone

- PI deliver sample Files, Draft CATBD, Partial code (8/15) - done
- **TM sent comments on sample files, CATBD, MM, code (8/26) - done**
- **Deliver final version of documentation and source code (9/1)**



Project Risks

- Schedule for NSIDC product and NCDC R2O team is very tight
 - **Will become an official CDR in FY12**
- NSIDC will be serving the data to the public – IT hurdles for them
- PI does not have much control over the center-wide dev schedule
- The codes that will be delivered is the main NSIDC operational suite
 - **Expect a future delivery that is modular and self contained**

| ID | Task Name | Status | Start | Stop | FY11 Q1 | | | FY11 Q2 | | | FY11 Q3 | | | FY11 Q4 | | |
|----|---|--------|-----------|-----------|---------|-----|-----|---------|-----|-----|---------|-----|-----|---------|-----|-----|
| | | | | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | Initial Assessment | 100 | 12/7/2010 | 1/7/2011 | | | | | | | | | | | | |
| 2 | Transfer Prep | 75 | 1/7/2011 | 9/15/2011 | | | | | | | | | | | | |
| 2a | Comment Source Code | 90 | 4/15/2011 | 8/15/2011 | | | | | | | | | | | | |
| 2b | Create Docs (CATBD, Flow Chart, MM, Readme) | 90 | 1/7/2011 | 8/30/2011 | | | | | | | | | | | | |
| 2c | Convert data from binary to NetCDF | 50 | 3/1/2011 | 9/15/2011 | | | | | | | | | | | | |
| 3 | Transfer Code, Docs, and Data | 50 | 7/15/2011 | 9/15/2011 | | | | | | | | | | | | |
| 4 | Verify Code, Docs, and Data | 50 | 7/31/2011 | 9/15/2011 | | | | | | | | | | | | |
| 5 | Archive Code, Docs, and Data | 0 | 8/15/2011 | 9/21/2011 | | | | | | | | | | | | |
| 6 | Provide Access to Code, Docs, and Data | 0 | 9/1/2011 | 9/30/2011 | | | | | | | | | | | | |

Sea Ice

| CDR - PI | TM | AB | OPS | ACCESS | What | Who | NLT date | Status | ECD |
|-----------------|------|-------|--------|--------|---|------------------|----------|--------|-------|
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Send Draft SA to PI | TM | 11-Jul | done | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Receive comments back on SA | PI | 18-Jul | done | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Deliver: completed sample Files, Draft CATBD, Partial code | PI | 15-Aug | done | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Review: completed sample files | TM, Archive | 18-Aug | done | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Review: CATBD | TM | 19-Aug | done | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Review: source code | TM, CDRP | 19-Aug | done | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Return comments on sample files, CATBD, and code | TM | 22-Aug | done | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Finalize SA | TM, Archive | 24-Aug | done | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Deliver: Flow Chart, Maturity Matrix | PI | 23-Aug | done | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Review: Flow Chart | TM, CDRP | 25-Aug | done | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Review: Maturity Matrix | TM, CDRP | 25-Aug | done | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Provide comments on Flow chart and MM | TM | 26-Aug | done | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Deliver: Final versions of flow chart, MM, CATBD | PI | 30-Aug | | 1-Sep |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Deliver: Initial set of NSIDC Product Suite Source Code with README | PI | 30-Aug | | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Enter source code into subversion for security review | TM, Ops | 31-Aug | done | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Review: source code modules and README | TM, CDRP | 2-Sep | | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Create source code header document (robodoc) | Ops, CDRP | 6-Sep | | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Conduct security review | ITB | 7-Sep | 10% | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Provide feedback on any issue found | TM | 8-Sep | | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Archive source code package w/ README, sec review, and headerdoc | Archive, OPS, TM | 9-Sep | | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Archive documentation (flow chart, MM, CATBD) | Archive, OPS, TM | 9-Sep | | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Deliver: Complete Data Set | PI | 15-Sep | | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Make CDR Product available on web | PI | 16-Sep | | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Archive complete data set | Archive, OPS | 21-Sep | | |
| Sea Ice - Meier | Peng | Ken | Robert | n/a | Provide links to source code, documents, and dataset | Archive | 23-Sep | | TBD |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Final CDR Program Management Review | CDRP | 28-Sep | | TBD |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Contract for Reprocessing Delivery and Source Code Modularization | CDRP | 15-Oct | | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Reprocess Sea Ice CDR with new RSS data | PI | TBD | | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Host new dataset on web, delivery copy to NCDC | PI | TBD | | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Deliver: Sea Ice Concentration Modular Source Code with README | PI | TBD | | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Replace source code and data in archive | Archive | TBD | | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Update CDR web page | Archive | TBD | | |
| Sea Ice - Meier | Peng | Jones | Robert | n/a | Final CDR Program Management Review - FY12 CDR complete | CDRP | TBD | | |

CDR Program Office

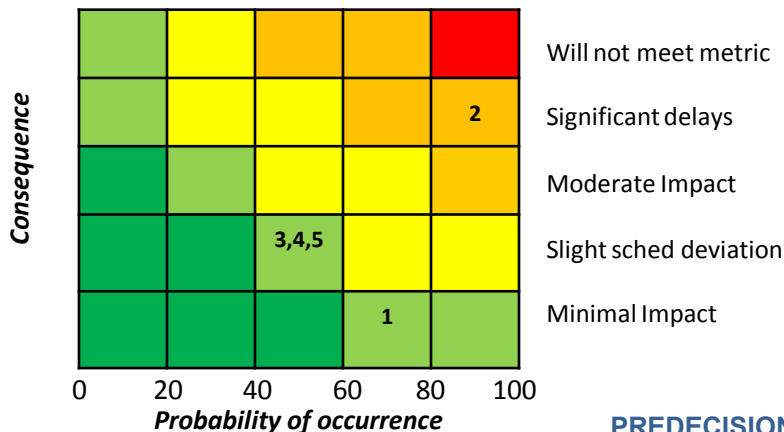
NPP/JPSS Climate Raw Data Records (C-RDRs) Project

Weekly Report – September 2, 2011

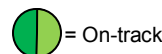
- **VIIRS**
① • Began coding the VIIRS C-RDR generator application in ADL.
- **CrIS**
② • Delaying CrIS C-RDR development until proprietary issues are resolved.
- **ATMS**
③ • Developing code to write the ATMS C-RDR.
- **OMPS Nadir**
④ • Developing code to write the OMPS Nadir C-RDR.
- **System Infrastructure**
⑤ • Developing ingest processing for RDRs.
- Continue working with CLASS on the CLASS C-RDR Charter.

● No change ↑ Increasing Risk ↓ Decreasing Risk

Risk Matrix



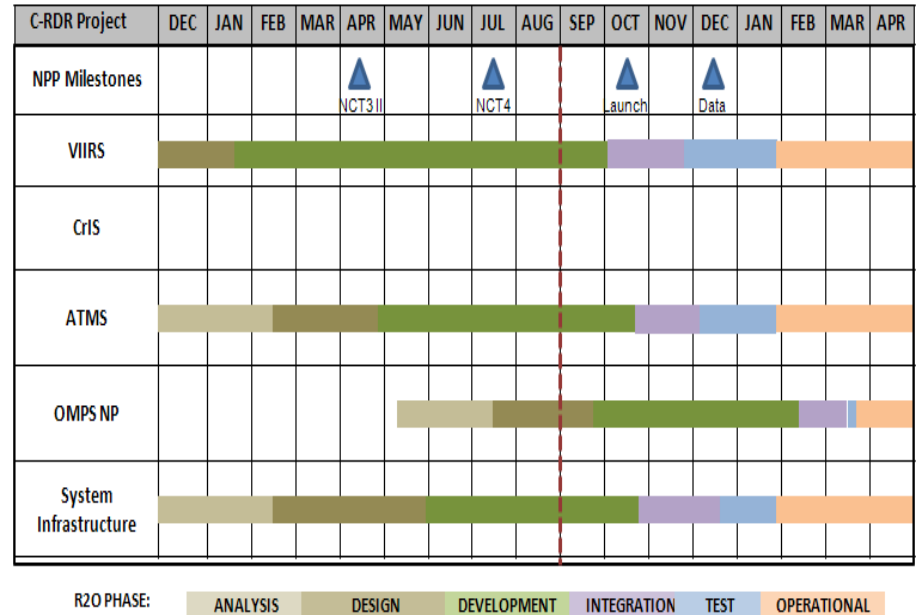
PREDECISIONAL DRAFT INFORMATION



= On-track

= Potential management action required

= Management attention required



Risk and Mitigation

VIIRS, CrIS, ATMS, OMPS NP, System Infrastructure –

- Operational software is under maintenance, updated versions may affect C-RDR ported version.
- Contractor claims CrIS DR software is proprietary so cannot use for development. Working with old (2007) version of CrIS code. Delay till claim is resolved.

System Infrastructure –

- Availability of automated receipt of NPP RDRs from the CLASS system. Need to test ingest of RDRs from CLASS and develop an automated mechanism for re-requesting data.

Visible Infrared Imaging Radiometer Suite (VIIRS)

C-RDR Product: Raw sensor measurements with usage and provenance metadata in easily accessible netCDF4 format

GEOSS Societal Benefit: Climate, Water, Ecosystems, Agriculture, Biodiversity, Energy

Project Status

- **Adapting Packer and UnPacker framework for VIIRS.**
- **Completed C-RDR Packer and UnPacker framework for Supporting Data .**
- Obtained and built the full release of ADL 3.0.
- Installed the new release at Boulder site for C-RDR supporting data files development.
- Coding the VIIRS C-RDR generator application in ADL.
- Updated the VIIRS Product Specification.
- Developing software to create the C-RDR, reusing the ADL.
- Completed release of netCDF4 file creation toolset.

Next Action / Milestone

- Development complete for the VIIRS C-RDR



Project Risks

- Complexity of the NPP/JPSS RDRs and operational software
- Operational software is under maintenance, updated versions may affect C-RDR ported version

Project Schedule

| ID | Task Name | Status | Start | Stop | FY11 Q3 | | | FY11 Q4 | | | FY12 Q1 | | | FY12 Q2 | | | FY12 Q3 | | |
|----|------------------------------------|-----------|------------|------------|---------|-----|-----|---------|-----|-----|---------|-----|-----|---------|-----|-----|---------|-----|-----|
| | | | | | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun |
| 1 | Analysis | Completed | 10/23/2009 | 5/4/2010 | | | | | | | | | | | | | | | |
| 2 | Design | Completed | 5/6/2010 | 1/5/2011 | | | | | | | | | | | | | | | |
| 3 | Development | 30.00% | 1/6/2011 | 10/4/2011 | | | | | | | | | | | | | | | |
| 3a | Develop VIIRS processing component | 75.00% | 1/6/2011 | 8/1/2011 | | | | | | | | | | | | | | | |
| 3b | Test VIIRS processing component | | 8/9/2011 | 10/4/2011 | | | | | | | | | | | | | | | |
| 4 | Integration | | 10/12/2011 | 11/23/2011 | | | | | | | | | | | | | | | |
| 5 | Test | | 8/24/2011 | 1/27/2012 | | | | | | | | | | | | | | | |
| 5a | Draft test procedures | | 8/24/2011 | 9/6/2011 | | | | | | | | | | | | | | | |
| 5b | Dry Runs/some with launch data | | 12/23/2011 | 1/26/2012 | | | | | | | | | | | | | | | |
| 5c | System Acceptance Test | | 1/27/2012 | 1/27/2012 | | | | | | | | | | | | | | | |
| 6 | Operational | | 1/28/2012 | | | | | | | | | | | | | | | | |

PREDECISIONAL DRAFT INFORMATION

Cross-track Infrared Sounder (CrIS)

C-RDR Product: Raw sensor measurements with usage and provenance metadata in easily accessible netCDF4 format

GEOSS Societal Benefit: Climate, Water, Energy

Project Status

- Obtained CrIS SDR code for ADL. Code is for government access only. Holding the code until proprietary issues are resolved.
- Developing and debugging code to create data structures for writing the C-RDR.
- Creating a MATLAB reader for the C-RDR to provide easy access.
- Evaluating processing of C-RDR with MATLAB and IDL
- Defining the netCDF4 structure for the C-RDR and developing software for writing the C-RDR.
- Ported operational algorithms (Space Dynamics Lab at Utah State)

Next Action / Milestone

- Delay until the CrIS SDR code is releasable. JPSS Program Office is working to resolve proprietary claims with BOMEM.
- Complete definition of CrIS C-RDR



Project Risks

- CrIS science algorithms not available to contractors: C-RDR team, cal/val teams, ADL developer cannot get CrIS SDR code. Our current version of CrIS code is from 2007.
- NPP Launch Date: October 25, 2011
- Complexity of the NPP/JPSS RDRs and operational software
- Operational software is under maintenance, updated versions may affect C-RDR ported version. Mitigated by using ADL.

Project Schedule

| ID | Task Name | Status | Start | Stop | FY11 Q2 | | | FY11 Q3 | | | FY11 Q4 | | | FY12 Q1 | | | FY12 Q2 | | |
|----|-----------------------------------|-----------|------------|------|---------|-----|-----|---------|-----|-----|---------|-----|-----|---------|-----|-----|---------|-----|-----|
| | | | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar |
| 1 | Analysis | Completed | 8/16/2010 | | | | | | | | | | | | | | | | |
| 2 | Design | 90.00% | 11/26/2010 | | | | | | | | | | | | | | | | |
| 3 | Development | | 2/16/2011 | | | | | | | | | | | | | | | | |
| 3a | Develop CrIS processing component | 60.00% | 2/16/2011 | | | | | | | | | | | | | | | | |
| 3b | Test CrIS processing component | | 5/12/2011 | | | | | | | | | | | | | | | | |
| 4 | Integration | | 7/25/2011 | | | | | | | | | | | | | | | | |
| 5 | Test | | 9/1/2011 | | | | | | | | | | | | | | | | |
| 5a | Dry Runs/some with launch data | | 9/1/2011 | | | | | | | | | | | | | | | | |
| 5b | System Acceptance Test | | 12/12/2011 | | | | | | | | | | | | | | | | |
| 6 | Operational | | 12/20/2011 | | | | | | | | | | | | | | | | |

DELAYED

Advanced Technology Microwave Sounder (ATMS)

C-RDR Product: Raw sensor measurements with usage and provenance metadata in easily accessible netCDF4 format

GEOSS Societal Benefit: Climate, Water, Energy

Project Status

- Working C-RDR contents generation with NcML tools.
- Working with ADL 3.0 for integration of C-RDR routines.
- Completed first draft of C-RDR contents.
- Defining the C-RDR format, contents, and metadata
- Identifying code and data structures required for C-RDR processing.
- Verified processing of ATMS algorithms
- IDPS ATMS algorithm executing in ADL at NCDC
- Evaluating IDPS algorithms in ADL
- Obtained ported operational algorithms (Space Dynamics Lab at Utah State)

Next Action / Milestone

- Develop the code to produce the C-RDR



Project Risks

- Complexity of the NPP/JPSS RDRs and operational software
- Operational software is under maintenance, updated versions may affect C-RDR ported version
- Developer shares time working NPP and CLASS issues.

Project Schedule

| ID | Task Name | Status | Start | Stop | FY11 Q3 | | | FY11 Q4 | | | FY12 Q1 | | | FY12 Q2 | | | FY12 Q3 | | |
|----|-----------------------------------|----------|------------|------------|---------|-----|-----|---------|-----|-----|---------|-----|-----|---------|-----|-----|---------|-----|-----|
| | | | | | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun |
| 1 | Analysis | Complete | 10/29/2010 | 2/10/2011 | | | | | | | | | | | | | | | |
| 2 | Design | 90.00% | 2/11/2011 | 4/29/2011 | | | | | | | | | | | | | | | |
| 3 | Development | 25.00% | 5/2/2011 | 10/28/2011 | | | | | | | | | | | | | | | |
| 3a | Develop ATMS processing component | 67.00% | 5/2/2011 | 8/24/2011 | | | | | | | | | | | | | | | |
| 3b | Test ATMS processing component | | 8/18/2011 | 11/4/2011 | | | | | | | | | | | | | | | |
| 4 | Integration | | 11/5/2011 | 12/20/2011 | | | | | | | | | | | | | | | |
| 5 | Test | | 12/23/2011 | 1/27/2012 | | | | | | | | | | | | | | | |
| 5a | Dry Runs/some with launch data | | 12/23/2011 | 1/26/2012 | | | | | | | | | | | | | | | |
| 5b | System Acceptance Test | | 1/27/2012 | 1/27/2012 | | | | | | | | | | | | | | | |
| 6 | Operational | | 1/28/2012 | | | | | | | | | | | | | | | | |

PREDECISIONAL DRAFT INFORMATION

Ozone Mapping Profile Suite (OMPS) Nadir

C-RDR Product: Raw sensor measurements with usage and provenance metadata in easily accessible netCDF4 format

GEOSS Societal Benefit: Climate, Energy

Project Status

- **Writing software for output classes for OMPS C-RDR.**
- Analyzing the OMPS SDR ADL code for use in the C-RDR.
- Setting up OMPS Nadir and ADL code for development.
- Developing code to initialize and fill in the C-RDR file.
- Received comments and created second draft of OMPS Nadir C-RDR prototype.
- Analyzing IDPS algorithms and documents to define the OMPS Nadir C-RDR structure.
- OMPS Nadir algorithms will be released in ADL 3.0.
- Analyzing the IDPS software for the OMPS Nadir SDR for the use in developing the C-RDR
- Updating the schedule for the OMPS Nadir C-RDR

Next Action / Milestone

- Define the C-RDR format, contents, and metadata



Project Risks

- Complexity of the NPP/JPSS RDRs and operational software
- Operational software is under maintenance, updated versions may affect C-RDR ported version

Project Schedule

| ID | Task Name | Status | Start | Stop | FY11 Q3 | | | FY11 Q4 | | | FY12 Q1 | | | FY12 Q2 | | | FY12 Q3 | | |
|----|--------------------------------------|--------|------------|------------|---------|-----|-----|---------|-----|-----|---------|-----|-----|---------|-----|-----|---------|-----|-----|
| | | | | | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun |
| 1 | Analysis | 80.00% | 5/23/2011 | 7/12/2011 | | | | | | | | | | | | | | | |
| 2 | Design | 75.00% | 7/13/2011 | 9/28/2011 | | | | | | | | | | | | | | | |
| 3 | Development | | 9/29/2011 | 2/7/2012 | | | | | | | | | | | | | | | |
| 3a | Develop OMPS NP processing component | 10.00% | 9/29/2011 | 12/19/2011 | | | | | | | | | | | | | | | |
| 3b | Test OMPS NP processing component | | 12/20/2011 | 2/7/2012 | | | | | | | | | | | | | | | |
| 4 | Integration | | 2/8/2012 | 3/6/2012 | | | | | | | | | | | | | | | |
| 5 | Test | | 3/7/2012 | 3/14/2012 | | | | | | | | | | | | | | | |
| 6 | Operational | | 3/15/2012 | | | | | | | | | | | | | | | | |

PREDECISIONAL DRAFT INFORMATION

C-RDR System Infrastructure

C-RDR Product: Infrastructure to automate the production and distribution of the C-RDRs.

GEOSS Societal Benefit: None

Project Status

- **Preparing for throughput test using Local data Manager (LDM).**
- **Developing code for ingest detection and processing.**
- Analyzed data received during NCT4.
- Receiving RDRs from CLASS via subscription during NCT4.
- Completed throughput testing for SIPGenSys.
- Successfully transferred files from FTP Farm to Blade Center and ingested for RDR throughput test.
- Creating database tables and access procedures for config files.
- Setting up configuration files and software for the ingest test.
- Developing an ingest test using the aggregated RDRs.

Next Action / Milestone

- Develop the code for data ingest.



Project Risks

- Ability of CLASS to provide full stream of RDRs and ability to ingest stream of C-RDRs. Ability of CLASS to provide RDRs will be tested during NCT4.
- Need to develop an automated re-request mechanism for CLASS.

Project Schedule

| ID | Task Name | Status | Start | Stop | FY11 Q3 | | | FY11 Q4 | | | FY12 Q1 | | | FY12 Q2 | | | FY12 Q3 | | |
|----|--------------------------------|-----------|------------|------------|---------|-----|-----|---------|-----|-----|---------|-----|-----|---------|-----|-----|---------|-----|-----|
| | | | | | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun |
| 1 | Analysis | Completed | 9/29/2010 | 4/22/2011 | | | | | | | | | | | | | | | |
| 2 | Design | 70.00% | 4/25/2011 | 7/8/2011 | | | | | | | | | | | | | | | |
| 3 | Development | | 5/31/2011 | 12/22/2011 | | | | | | | | | | | | | | | |
| 3a | Develop infrastructure | 40.00% | 5/31/2011 | 9/26/2011 | | | | | | | | | | | | | | | |
| 3b | Test infrastructure | 65.00% | 9/27/2011 | 11/8/2011 | | | | | | | | | | | | | | | |
| 4 | Integration | | 10/26/2011 | 12/22/2011 | | | | | | | | | | | | | | | |
| 5 | Test | | 12/23/2011 | 1/27/2012 | | | | | | | | | | | | | | | |
| 5a | Dry Runs/some with launch data | | 12/23/2011 | 1/26/2012 | | | | | | | | | | | | | | | |
| 5b | System Acceptance Test | | 1/27/2012 | 1/27/2012 | | | | | | | | | | | | | | | |
| 6 | Operational | | 1/28/2012 | | | | | | | | | | | | | | | | |

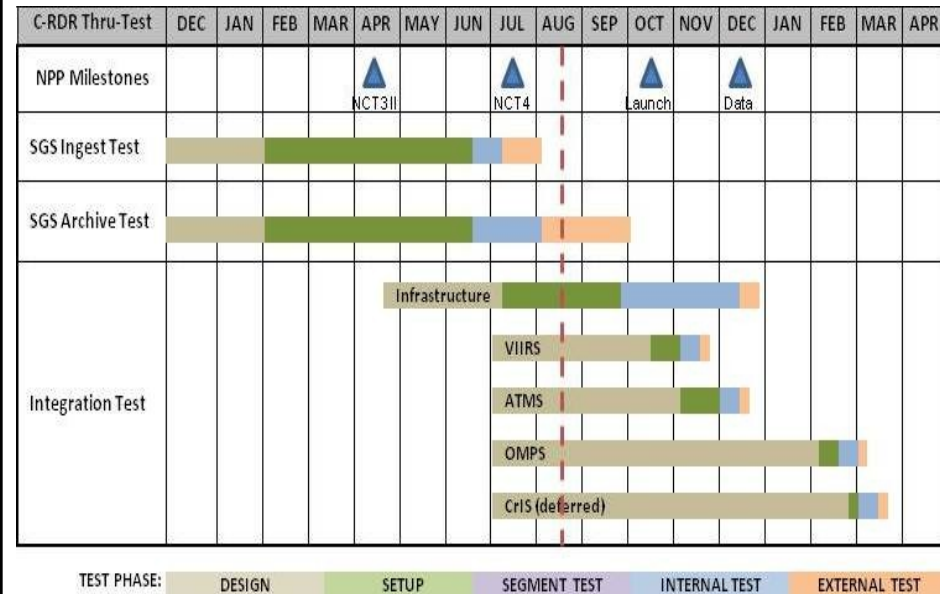
PREDECISIONAL DRAFT INFORMATION

RSAD Operations Branch

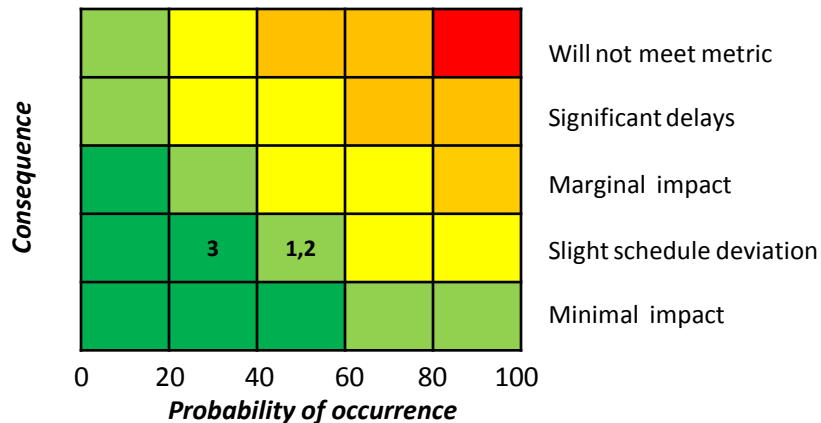
C-RDR Throughput Testing

September 2, 2011

- 1 Ingest Test
- 2 Dissemination Test
- 3 Integration Test



Risk Matrix



Notes

Preparing for using LDM in the mid-September NPP System test.

Environment is setup on blade servers.

Scripts are prepared for throughput simulation.

Completed successful internal throughput test using SipGenSys.

Executed NCT4 throughput test with live CLASS subscription.

Verifying test anomalies with CLASS.